

PI 547164. X *Triticosecale* sp. POACEAE Triticale

**Donated by:** Salmon, D.F., Alberta Agriculture, Field Crops Branch, Lacombe, Alberta, Canada. **remarks:** Pika Winter Triticale. Received January 30, 1991.

**origin:** Canada. **origin institute:** Alberta Agriculture, Field Crops Branch, Bag Service #47, Lacombe, Alberta  
**TOC ISO.** **cultivar:** PIKA. **pedigree:** Derived from 77 winter Triticale lines. **other id:** 81DE01015. **other id:** CV-12. **group:** CSR-TRITICALE. **remarks:** Hexaploid ( $2n=6x=42$ ), complete winter variety similar in height (108cm) and days to maturity (217) to Wintri. Improved winter survival (84 vs 79%), yield potential (4.15 vs 4.08t ha<sup>-1</sup>), seed protein (115 vs 101g kg<sup>-1</sup>) and falling number (200 vs 60) compared to Wintri. Juvenile plant growth habit prostrate. Flag leaf length med., width med.- narrow, dark green, pronounced waxy bloom. Culm neck slightly kinked. Winter Annual. Cultivar. Seed.

PI 547165 to 547168. *Helianthus annuus* L. ASTERACEAE Sunflower

**Donated by:** Seiler, G.J., Agricultural Research Service -- USDA, P.O. Box 5677, Fargo, North Dakota, United States. Received February 12, 1991.

PI 547165 **donor id:** ANN-2034. **origin:** United States. **collected:** September 16, 1989. **collector id:** ANN-2034. **other id:** Ames 12993. **source:** NC-7. **group:** Ames. **locality:** Disturbed waste area, roadside ditch by concrete dump pile 12km south of Rutland, Hwy 51S, Woodfork County. **latitude:** 40 deg. 52 min. N. **longitude:** 89 deg. 02 min. W. **remarks:** Seed collected from 75 plants, collected from two parts of the population, large scattered population. Typical annuus except for some larger central heads on some of the tall main stem. Typical leaves, etc. probably had some cultivated in it. Sunflower was raised in area 40 years ago according to locals. Some insect leaf damage, no insect observed. Specimen collected. Collection #2034. Seed.

PI 547166 **origin:** United States. **collected:** September 16, 1989. **collector id:** ANN-2038. **other id:** Ames 12994. **source:** NC-7. **group:** Ames. **locality:** Roadside ditch, intersection of I-57 and Hwy. 24E just west of Gilman, Iroquois County. **latitude:** 40 deg. 45 min. N. **longitude:** 88 deg. 02 min. W. **remarks:** Seed collected from 75 plants, localized population, plants scattered. Good seed set, just past peak flowering. Typical H. annuus, some tall plants. Some leaf damage, leaf feeders. Some rust on all plants, some lower leaves dead from rust. Some head damage, larvae in heads. Specimen collected. Collection #2038. Seed.